

# JOB OPPORTUNITY BULLETIN



**CLASSIFICATION:** Biostatistician IV

**BULLETIN RELEASE DATE:** July 10, 2000

**FINAL FILING DATE:** Until Filled

**POSITION NUMBER:** 811-140-5543-001

**MONTHLY SALARY:** \$4,542 - 5,520 per month

**DUTIES/RESPONSIBILITIES:** Under the general direction of the Chief, Reproductive Toxicology Unit, the Biostatistician IV serves as the subject matter expert for biostatistical analyses of developmental and reproductive data from human and animal studies. Develops and evaluates mathematical and statistical models which improve estimation of risk from exposure to chemicals which cause developmental and reproductive toxicity. Evaluates epidemiological data including appropriate interpretation of data, selection of the exposed and referent groups, reliable assessment of exposure, the completeness of follow-up, and the assessment and quantification of bias and confounding. Evaluates benefits of newer modeling methods for estimation of intake levels likely to be without adverse effect, including those in use by U.S. EPA and Cal/EPA, vs. traditional methods. Evaluates the quality of data related to physiology, pharmacokinetics, and metabolism for use in inter-species, inter-dose, and inter-route extrapolations. Develops documentation of evaluations of dose-response and risk-specific exposures for developmental and reproductive toxicants; holds public workshops to discuss epidemiological issues. Presents to the state's qualified experts; responds to the concerns of the committee and public comments on the technical details of the analyses and documentation.

**DESIRABLE EXPERIENCE/QUALIFICATIONS:** Knowledge of and experience in: modern probability and statistical theory and its applications; current statistical research literature; principles, problems and terminology of public health; demography and epidemiology. Ability to become thoroughly familiar with any specialized area of statistics by independent study; maintain professional relationships with statistical groups in other research organization; devise feasible, constructive courses of action for the solution of statistical problems; prepare and present research reports; explain and interpret complex statistical concepts and procedures. Demonstrated success in working cooperatively with internal staff and outside agencies. Excellent oral and written communication skills. Ability to analyze situations accurately and take effective action.

**WHO SHOULD APPLY:** State employees currently employed in the above classification, persons with current list, transfer or reinstatement eligibility, and state employees currently identified as surplus or on the SROA list.

**SUBMIT APPLICATIONS:** Office of Environmental Health Hazard Assessment  
Reproductive and Cancer Hazard Assessment Section  
1515 Clay Street, 16th Floor  
Oakland, CA 94612

**CONTACT PERSON:** Susan Royo

**ATSS** 8-561-3189

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**ALL APPLICATIONS WILL BE SCREENED AND ONLY THE MOST QUALIFIED CANDIDATES WILL BE INTERVIEWED.**

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